

What is Claimed is:

1. An illuminable writing instrument, comprising:

5 a hollow writing unit holder having a first end, a second end, a receiving cavity defined between said first and second ends, and a battery cavity provided at said second end of said writing unit holder for receiving a power source therein;

a writing unit, which is disposed in said receiving cavity of said writing unit holder, having a writing point extended to said first end of said writing unit holder and a retaining end extended towards said second end of said writing unit holder; and

an illumination arrangement, comprising:

10 a light dispersing cone, which is supported within said receiving cavity of said writing unit holder, having a cone vertex pointing towards said second end of said writing unit holder;

15 an illuminating unit, which is adapted for electrically connecting to said power source, comprising an illuminator mounted in said receiving cavity at a position right above said cone vertex of said light dispersing cone for producing illuminating light; and

20 a control switch provided on said writing unit holder and electrically connected to said illuminating unit to activate said illuminator for providing said illuminating light towards said cone vertex of said light dispersing cone, such that said light dispersing cone is adapted for vividly dispersing said illuminating light towards said first end of said writing unit holder so as to enhance an illuminating effect of said illuminable writing instrument.

25 2. The illuminable writing instrument, as recited in claim 1, wherein said illumination arrangement further has a plurality of light guiding channels spacedly and longitudinally provided on said writing unit holder, wherein each of said light guiding channels is extended towards said first end of said writing unit holder for substantially guiding said illuminating light dispersed from said illuminator towards said first end of said writing holder.

3. The illuminable writing instrument, as recited in claim 2, wherein said illumination arrangement further comprises a transparent tubular light enhancing shelter, having an outer smooth holding surface, coaxially receiving said writing unit holder therewithin to cover said light guiding channels for evenly diffusing said illuminating
5 light along said light guiding channels in a three-dimension manner.

4. The illuminable writing instrument, as recited in claim 3, wherein said light guiding channels are spacedly formed on an outer surface of said writing unit holder to communicate with said illuminating light enhancing shelter.

5. The illuminable writing instrument, as recited in claim 1, wherein said
10 light dispersing cone has a cone edge securely affixed to an inner surface of said holder body to align said vertex of said light dispersing cone to said illuminator.

6. The illuminable writing instrument, as recited in claim 2, wherein said light dispersing cone has a cone edge securely affixed to an inner surface of said holder body to align said vertex of said light dispersing cone to said illuminator.

15 7. The illuminable writing instrument, as recited in claim 3, wherein said light dispersing cone has a cone edge securely affixed to an inner surface of said holder body to align said vertex of said light dispersing cone to said illuminator.

8. The illuminable writing instrument, as recited in claim 4, wherein said
20 light dispersing cone has a cone edge securely affixed to an inner surface of said holder body to align said vertex of said light dispersing cone to said illuminator.

9. The illuminable writing instrument, as recited in claim 1, wherein said writing unit holder further comprises a magnifying lens supported within said receiving cavity at a position between said illuminator and said cone vertex of said light dispersing cone, wherein said magnifying lens has a transparent convex-concave surface aligned
25 with said illuminator for directly magnifying said illuminating light from said illuminator to said cone vertex of said light dispersing cone.

10. The illuminable writing instrument, as recited in claim 3, wherein said writing unit holder further comprises a magnifying lens supported within said receiving cavity at a position between said illuminator and said cone vertex of said light dispersing

cone, wherein said magnifying lens has a transparent convex-concave surface aligned with said illuminator for directly magnifying said illuminating light from said illuminator to said cone vertex of said light dispersing cone.

11. The illuminable writing instrument, as recited in claim 5, wherein said
5 writing unit holder further comprises a magnifying lens supported within said receiving cavity at a position between said illuminator and said cone vertex of said light dispersing cone, wherein said magnifying lens has a transparent convex-concave surface aligned with said illuminator for directly magnifying said illuminating light from said illuminator to said cone vertex of said light dispersing cone.

10 12. The illuminable writing instrument, as recited in claim 8, wherein said writing unit holder further comprises a magnifying lens supported within said receiving cavity at a position between said illuminator and said cone vertex of said light dispersing cone, wherein said magnifying lens has a transparent convex-concave surface aligned with said illuminator for directly magnifying said illuminating light from said illuminator
15 to said cone vertex of said light dispersing cone.

13. The illuminable writing instrument, as recited in claim 2, wherein said writing unit further comprises a retaining member attached to said retaining end of said writing unit to bias against an inner surface of said writing unit holder at a position below said illuminating light dispensing cone so as to retain said writing unit within said
20 receiving cavity of said writing unit holder in position.

14. The illuminable writing instrument, as recited in claim 4, wherein said writing unit further comprises a retaining member attached to said retaining end of said writing unit to bias against an inner surface of said writing unit holder at a position below said illuminating light dispensing cone so as to retain said writing unit within said
25 receiving cavity of said writing unit holder in position.

15. The illuminable writing instrument, as recited in claim 8, wherein said writing unit further comprises a retaining member attached to said retaining end of said writing unit to bias against an inner surface of said writing unit holder at a position below said illuminating light dispensing cone so as to retain said writing unit within said
30 receiving cavity of said writing unit holder in position.

16. The illuminable writing instrument, as recited in claim 12, wherein said writing unit further comprises a retaining member attached to said retaining end of said writing unit to bias against an inner surface of said writing unit holder at a position below said illuminating light dispensing cone so as to retain said writing unit within said receiving cavity of said writing unit holder in position.

17. The illuminable writing instrument, as recited in claim 4, wherein said illuminator comprises a LED coaxially supported within said receiving cavity of said writing unit holder at a center thereof to align with said cone vertex of said light dispersing cone.

18. The illuminable writing instrument, as recited in claim 8, wherein said illuminator comprises a LED coaxially supported within said receiving cavity of said writing unit holder at a center thereof to align with said cone vertex of said light dispersing cone.

19. The illuminable writing instrument, as recited in claim 12, wherein said illuminator comprises a LED coaxially supported within said receiving cavity of said writing unit holder at a center thereof to align with said cone vertex of said light dispersing cone.

20. The illuminable writing instrument, as recited in claim 16, wherein said illuminator comprises a LED coaxially supported within said receiving cavity of said writing unit holder at a center thereof to align with said cone vertex of said light dispersing cone.